

## Product datasheet for **MG208190**

### Hspa14 (NM\_015765) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                       |
| Product Name:             | Hspa14 (NM_015765) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                  |
| Symbol:                   | Hspa14                                    |
| Synonyms:                 | 70kDa; Hsp70-4; HSP70L1; hsr.1; NST-1     |
| Mammalian Cell Selection: | Neomycin                                  |
| Vector:                   | pCMV6-AC-GFP (PS100010)                   |
| E. coli Selection:        | Ampicillin (100 ug/mL)                    |



[View online »](#)

**ORF Nucleotide Sequence:**

>MG208190 representing NM\_015765  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGGCGATCGGCGTGCACCTGGGCTGCACATCAGCCTGTGTGGCTGTCTACAAGGATGGCCGGGCCG  
 ATGTGGTTGCAAATGATGCAGGGGATAGAGTCACACCAGCCATTGTTGCTTACTCGAACGTGAACAGGT  
 GGTGGACTGGCAGCAAAACAAAGTAGAATAAGACATGTTTCAAGCACAGTAGTAAAGTAAACAGATC  
 CTTGGCAGAAGCTCTGCAGATCCACAAGCTCAGAAATACATCTCAGAAAGTAAATGCTTAGTCATTGAGA  
 AAAATGGGAAGTTGCGGTATGAAATAGATACAGGAGAAGAAACAAAACCTGTTAATCCAGAAGATGTTGC  
 CAGACTGATATTCAGTAAATGAAAGAAACAGCGCATTCTGTCTGGGCTCAGATGCAAATGACGTGGTT  
 GTCAGTGTCCATTTGACTTTGGAGAAAAGCAGAAGTCTGCTCTGGGGAGGCGGCTGGAGCTGCTGGAT  
 TTAACGTGCTGCGGCTGATCCATGAGCCGTCTGCAGCTCTCCTTGCTTATGGGATTGGACAAGACCACC  
 TACCGGGAAGAGCAATGTTTTGGTGTAAAGCTTGGAGGAACGTCCTTATCGCTCAGTGCATGGAAGTT  
 AACAGTGGGATGTATCGGGTCTTTCCACAAACACCAGTGACAACATAGGGGGCGCACATTTACAGACA  
 CCTTAGCACGGTACCTGGCTTCGGAGTTCCAGAGGTTGTTCAAACATGATGTGAGAGGAAATGCCCGAGC  
 CATGATGAAATGATGAACAGCGCTGAAGTGGCCAAGCATTCTCTGTCAACCTTGGGAAGTGCCAACTGC  
 TTTGTAGATTCCTTGATGAAGGTCAAGACTTTGATTGCAATGTGTCCAGAGCAAGATTTGAGCTGCTCT  
 GTTCTCCGCTTTTTAACAAATGTACAGAAGCAATCCGGGAGCTCTTGCAGGACTGGATTACAGCAGA  
 TGATATCAACAAGTTGTGCTGTGTGGTGGATCTTCCAGAATCCAAAGTGCAGCAGCTGATTAAGAT  
 CTCTTCCAGCCGTGGACCTCTCAACTCTACCTCCAGATGAGGTATCCCTATTGGTGCAGCCATAG  
 AAGCCGGGATTTGTTGGGAAAGAGAGCACGTCAGGAGATGACTCTGTCATGATAGAGTGTTCAGCCAA  
 GGATATTTTAGTTAAGGGAGTGGATGAGTCAGGTGCCGACAGATTACAGTACTGTTCCCTCTGGGACC  
 CCACTGCCAGCCGAAGACAGCACACACTGCAGGCCCGGGAGGGTGTCTTCCGTTTGCCTTGAACCTCT  
 ATGAGTCTGAGGGGAAGAAGCTCTGCTAAAGAGGAGGCCAAGTTTGCACAGGTTGTAAGTCCAGGACTTAGA  
 TAAAAAGAAAATGGATTGCGTGATATATTAGCTGTTCTACTATGAAAAGGGATGGATCTTTACAGGTG  
 ACGTGCACAGACCAAGACACCGCAAGTGTGAGGCCATTACTGTTGAGGTTGCATCC

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG208190 representing NM\_015765  
 Red=Cloning site Green=Tags(s)

MAAIGVHLGCTSACVAVYKDGRADVANDAGDRVTPAIVAYSEREQVVGLAAKQSRIRHVSSTVVKVKQI  
 LGRSSADPQAQKYISESKCLVIEKNGKLRYEIDTGEETKLVNPEVARLIFSKMKETAHSVLSGSDANDVV  
 VTVPFDGKQKQKALGEAAGAAGFNVRLRIHEPSAALLAYGIGQDHTGKSNLVFKLGGTSLSLVMEV  
 NSGMYRVLSTNTSDNIGGAHFTDLARYLASEFQRLFKHDVVRGNARAMMKLMNSAEVAKHSLSTLGSANC  
 FVDSLIEGQDFDCNYSRARFELLCSPLFNKCTEAIRELLRQTGFTADDINKVVLGGSSRIPKLQQLIKD  
 LFPVAVDLLNSIPPDEVIPIGAAIEAGILVGKESTSGDSSVMIECSAKDILVKGVDESGADRFTVLFPSGT  
 PLPARRQHTLQAPGRVSSVCLLEYESEGKNSAKEEAKFAQVVLQDLKKENGLRDILAVLTMKRDGSLQV  
 TCTDQDTGKCEAITVEVAS

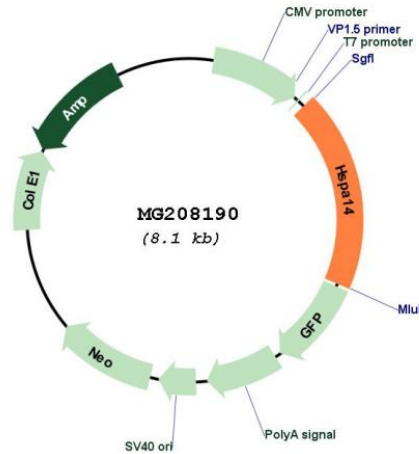
**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI



Plasmid Map:



ACCN: NM\_015765

ORF Size: 1527 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_015765.2](#), [NP\\_056580.2](#)

**RefSeq Size:** 1791 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 50497

**UniProt ID:** [Q99M31](#)

**Cytogenetics:** 2 A1

**Gene Summary:** Component of the ribosome-associated complex (RAC), a complex involved in folding or maintaining nascent polypeptides in a folding-competent state. In the RAC complex, binds to the nascent polypeptide chain, while DNAJC2 stimulates its ATPase activity (By similarity). [UniProtKB/Swiss-Prot Function]